



Attorney Docket No.: 8E07.1-060
Application Serial No.: 10/623,379
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	EMS Technologies, Inc.)	
Serial No.:	10/623,379)	
File Date:	July 18, 2003)	Group Art Unit: 1116
Inventor(s):	RUNYON, et. al.)	Examiner: Unknown
For:	VERTICAL ELECTRICAL DOWNTILT ANTENNA)	

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October 29, 2003

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In accordance with 37 C.F.R. § 1.56, Applicant submits herewith form PTO-1449 disclosing all known documents material to patentability for the application identified above. Applicant respectfully requests consideration of the cited documents and making the same of record in the prosecution of this U.S. application. Copies of these documents are enclosed.

No fee is believed to be due, as this Information Disclosure Statement is submitted before receipt of this application's first Official Action on the merits. 37 C.F.R. § 1.97(b)(3). However, if the United States Patent and Trademark Office finds that a fee is due, please charge to deposit account no.: 50-2591

Respectfully submitted,



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Application Number	10/623,379
Filing Date	July 18, 2003
First Named Inventor	RUNYON, et. al.
Group Art Unit	1116
Examiner Name	unknown
Attorney Docket Number	8E07.1-060

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Sheet 9 of 2

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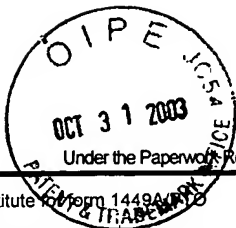
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	BA	PCT WO 01 29926 A1	4/26/2001	Tec Telesystems International		
	BB	JP P2001-136016A (English)	5/18/2001	Sumitomo Electric Industries, Ltd.		
	BC	JP P2001-136016A (Japanese)	5/18/2001	Sumitomo Electric Industries, Ltd.		
	BD	JP H9-232865 (English)	9/5/1997	Nippon Telephone and Telegram, Inc.		
	BE	JP H9-232865 (Japanese)	9/5/1997	Nippon Telephone and Telegram, Inc.		

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Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A PTO

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STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Application Number	10/623,379
Filing Date	July 18, 2001
First Named Inventor	RUNYON et. al.
Group Art Unit	1116
Examiner Name	unknown
Attorney Docket Number	8E07.1-060

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	YAMADA, Y., EBINE, Y., AND KIJIMA, M -- Low Sidelobe Characteristics of a Dual-frequency Base Station Antenna in the Case of Electrical Beam Tilt Use -- 1999 IEEE Antennas and Propagation International pp 1-4	
	CB	KIJIMA, M., EBINE, Y., YAMADA, Y. -- Development of a Dual-Frequency Base Station Antenna for Cellular Mobile Radios -- April, 1999 IEICE Trans. Comm., Vol. E82-B, No. 4, pp 636-644	
	CC	KIRA, F., UENO, K., OHIRA, T., and OGAWA, H., -- New Design Approach to Multiple-Beam Forming Network for Beam Steerable Phased Array Antenna -- July 1999, IEICE Trans Electron, Vol E82-C, No. 7 pp 1195-1201	
	CD	KIRA, F., and HORI, T. -- Beamforming Network Design for Cluster Feeding of Highly Functional Scanning Antenna -- September 2001, IEICE Trans. Commun., Vol. E84-B, No. 9, pp 2436 - 2442	

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